

22. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor.

23. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor.

24. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and

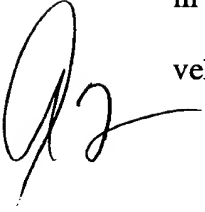
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fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

Q2 25. (New) A regime/regimen according to Claim 24 for influencing calcium channels in muscle fiber to relax and/or slacken skin tissue and thus reduce wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken skin tissue and thus reduce wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

26. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and thus smooth the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and thus smooth the skin, said manganese and/or at least one salt thereof being the only active ingredient for smoothing the skin in said composition; and a topically applicable, physiologically acceptable vehicle diluent or carrier therefor.

27. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and thus attenuate and/or eliminate microrelief in the skin, said manganese and/or salt thereof being the only active ingredient for attenuating and/or eliminating microrelief in the skin in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.



28. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, said manganese and/or salt thereof being the only active ingredient for reducing wrinkles or fine lines, or for smoothing the skin or for attenuating or eliminating microrelief in the skin in said

composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

29. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of: (i) an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin, and/or to thus attenuate and/or eliminate microrelief in the skin; and (ii) a bioaffecting amount of alverine or salt thereof, a keratolytic agent, a chlorine-channel opener, a hydroxy acid and/or a retinoid; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

30. (New) A regime/regimen according to Claim 29 for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of: (i) an amount of manganese and/or at least one salt

thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin, and/or to thus attenuate and/or eliminate microrelief in the skin; and (ii) a bioaffecting amount of alverine or salt thereof and/or a chlorine-channel opener; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

31. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein from 0.0001% to 10% by weight of manganese is administered.

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32. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one inorganic and/or organic manganese salt.

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33. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor; wherein from 0.0001 % to 10% by weight of manganese is administered.

34. (New) A regime/regimen according to Claim 22 for influencing calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one inorganic and/or organic manganese salt.

35. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate and/or manganese oxalate.

 36. (New) The regime/regimen according to Claim 35, wherein up to about 1.5% by weight manganese gluconate is administered.

37. (New) A regime/regimen for influencing calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate and/or manganese sulfate.

38. (New) The regime/regimen according to Claim 37, wherein up to about 0.50% by weight manganese chloride is administered.

39. (New) The regime/regimen according to Claim 22, wherein said composition is administered topically.

40. (New) The regime/regimen according to Claim 23, wherein said composition is administered topically.

41. (New) The regime/regimen according to Claim 22, wherein said composition is administered orally.

42. (New) The regime/regimen according to Claim 22, wherein said composition is administered by injection.

43. (New) The regime/regimen according to Claim 31, wherein said composition is administered topically.

44. (New) The regime/regimen according to Claim 32, wherein said composition is administered topically.



45. (New) The regime/regimen according to Claim 35, wherein said composition is administered topically.

46. (New) The regime/regimen according to Claim 36, wherein said composition is administered topically.

47. (New) The regime/regimen according to Claim 37, wherein said composition is administered topically.

48. (New) The regime/regimen according to Claim 38, wherein said composition is administered topically.

49. (New) The regime/regimen according to Claim 31, wherein from 0.001% to 5% by weight of manganese is administered.

50. (New) The regime/regimen according to Claim 22, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

51. (New) The regime/regimen according to Claim 39, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion,

cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.

52. (New) The regime/regimen according to Claim 23, wherein from 0.0001% to 10% by weight of manganese is administered.

53. (New) The regime/regimen according to Claim 52, wherein from 0.001% to 5% by weight of manganese is administered.

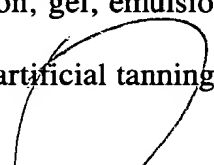
54. (New) The regime/regimen according to Claim 23, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

55. (New) The regime/regimen according to Claim 23, wherein manganese is administered as at least one inorganic and/or organic manganese salt.

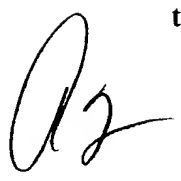
56. (New) The regime/regimen according to Claim 55, wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

57. (New) The regime/regimen according to Claim 55, wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

58. (New) The regime/regimen according to Claim 40, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.



59. (New) The regime/regimen according to Claim 33, wherein from 0.001 % to 5 % by weight of manganese is administered.



60. (New) The regime/regimen according to Claim 24, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

61. (New) The regime/regimen according to Claim 34, wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

62. (New) The regime/regimen according to Claim 34, wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

63. (New) The regime/regimen according to Claim 24, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.

64. (New) The regime/regimen according to Claim 28, wherein from 0.0001 % to 10% by weight of manganese is administered.

65. (New) The regime/regimen according to Claim 64, wherein from 0.001 % to 5% by weight of manganese is administered.

66. (New) The regime/regimen according to Claim 28, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

67. (New) The regime/regimen according to Claim 66, wherein manganese is administered as at least one inorganic and/or organic manganese salt.

68. (New) The regime/regimen according to Claim 67, wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

69. (New) The regime/regimen according to Claim 67, wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

70. (New) The regime/regimen according to Claim 28, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.

71. (New) The regime/regimen according to Claim 29, wherein from 0.0001% to 10% by weight of manganese is administered.


72. (New) The regime/regimen according to Claim 71, wherein from 0.001% to 5% by weight of manganese is administered.

73. (New) The regime/regimen according to Claim 29, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

74. (New) The regime/regimen according to Claim 73, wherein manganese is administered as at least one inorganic and/or organic manganese salt.

75. (New) The regime/regimen according to Claim 74, wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

76. (New) The regime/regimen according to Claim 74, wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

 77. (New) The regime/regimen according to Claim 29, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.


78. (New) The regime/regimen according to Claim 30, wherein from 0.0001% to 10% by weight of manganese is administered.

79. (New) The regime/regimen according to Claim 78, wherein from 0.001% to 5% by weight of manganese is administered.

80. (New) The regime/regimen according to Claim 30, wherein manganese is administered in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

81. (New) The regime/regimen according to Claim 80, wherein manganese is administered as at least one inorganic and/or organic manganese salt.

82. (New) The regime/regimen according to Claim 81, wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

 83. (New) The regime/regimen according to Claim 81, wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

84. (New) The regime/regimen according to Claim 30, wherein said cosmetic/dermatological composition is a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.

85. (New) A topically applicable cosmetic/dermatological composition suited for influencing calcium channels in muscle fiber to relax and/or slacken skin tissue, said

composition consisting essentially of: (i) an amount of manganese and/or at least one salt thereof effective to influence calcium channels in muscle fiber to relax and/or slacken skin tissue; and (ii) a bioaffecting amount of alverine or salt thereof and/or a chlorine-channel opener; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

86. (New) The cosmetic/dermatological composition according to Claim 85, wherein from 0.0001 % to 10% by weight of manganese is present.

87. (New) The cosmetic/dermatological composition according to Claim 86, wherein from 0.001 % to 5% by weight of manganese is present.

88. (New) The cosmetic/dermatological composition according to Claim 85, wherein the manganese is present in ionic state, or as a manganese salt, or as a manganese-rich natural, plant or microorganism extract.

89. (New) The cosmetic/dermatological composition according to Claim 88, wherein the manganese is present as at least one inorganic and/or organic manganese salt.

90. (New) The cosmetic/dermatological composition according to Claim 89, wherein the manganese is present as at least one of manganese gluconate, manganese



carbonate, manganese acetate, manganese citrate, manganese oleate, and/or manganese oxalate.

91. (New) The cosmetic/dermatological composition according to Claim 89, wherein the manganese is present as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate, and/or manganese sulfate.

92. (New) The cosmetic/dermatological composition according to Claim 85, said composition being in the form of a topically applicable solution, gel, emulsion, cream, oil, milk, makeup, serum, aerosol, vesicular dispersion, or artificial tanning preparation.

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